Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/13/2020 10:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124714	-1	2.12	124812	2.12
Blue	F	SSC	125000	125432	0	1.59	126209	1.61
Blue	E	FITC	15892	15446	-3	2.67	337	20.45
Blue	D	PE	29999	29711	-1	1.90	649	14.63
Blue	B	PerCP-Cy5-5	43732	43882	0	3.69	1176	20.37
Blue	A	PE-Cy7	30845	30472	-2	6.04	588	40.37
Red	C	APC	46112	45844	-1	2.47	1618	12.08
Red	A	APC-Cy7	30458	29931	-2	2.36	791	11.91
Violet	B	V450	7918	7496	-6	4.58	419	13.41
Violet	A	V500	32171	30439	-6	4.30	710	10.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17671	10.77	621	0	N/A	N/A	Pass
Blue	F	SSC	57079	1.14	564	5	N/A	N/A	Pass
Blue	E	FITC	61	63.54	543	0	0.0185	78	Pass
Blue	D	PE	136	48.89	550	2	0.1637	264	Pass
Blue	B	PerCP-Cy5-5	216	50.75	658	2	0.0092	86	Pass
Blue	A	PE-Cy7	109	100.82	699	1	0.0111	18	Pass
Red	C	APC	389	25.08	588	4	0.0248	156	Pass
Red	A	APC-Cy7	174	29.05	560	4	0.0057	1152	Pass
Violet	B	V450	63	57.91	459	1	0.0440	1484	Pass
Violet	A	V500	105	32.17	475	1	0.0233	533	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.19	-32.34	1.00
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.46
Red	15.70	13.60 - 20.40	N/A	N/A	29.48	30.27	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9975

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments